

(51) International Patent Classification:
G10L 19/00 (2006.01) **G10L 19/14** (2006.01)(21) International Application Number:
PCT/EP2010/064379(22) International Filing Date:
28 September 2010 (28.09.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/246,681 29 September 2009 (29.09.2009) US
61/369,505 30 July 2010 (30.07.2010) US
10171406.1 30 July 2010 (30.07.2010) EP(71) Applicants (for all designated States except US):
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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(54) Title: AUDIO SIGNAL DECODER, AUDIO SIGNAL ENCODER, METHOD FOR PROVIDING AN UPMIX SIGNAL REPRESENTATION, METHOD FOR PROVIDING A DOWNMIX SIGNAL REPRESENTATION, COMPUTER PROGRAM AND BITSTREAM USING A COMMON INTER-OBJECT-CORRELATION PARAMETER VALUE

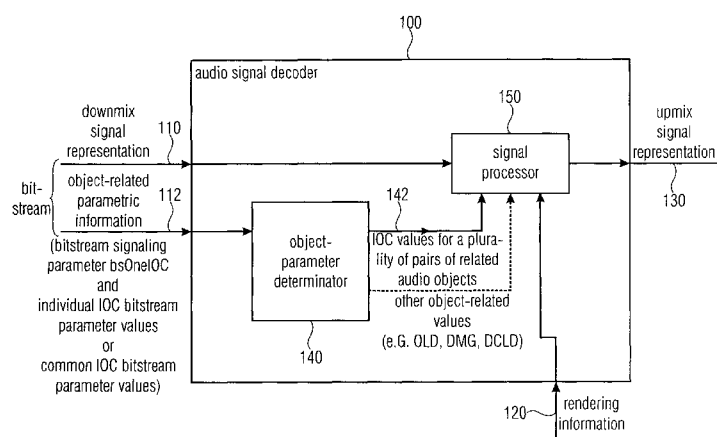


FIGURE 1

(57) Abstract: An audio signal decoder for providing an upmix signal representation on the basis of a downmix signal representation and an object-related parametric information and in dependence on a rendering information comprises an object parameter determinator. The object parameter determinator is configured to obtain inter-object-correlation values for plurality of pairs of audio objects. The object parameter determinator is configured to evaluate a bitstream signaling parameter in order to decide whether to evaluate individual inter-object-correlation bitstream parameter values to obtain inter-object-correlation values for a plurality of pairs of related audio objects, or to obtain inter-object-correlation value for a plurality of pairs of related audio objects using a common inter-object-correlation bitstream parameter value. The audio signal decoder also comprises a signal processor configured to obtain the upmix signal representation on the basis of the downmix signal representation and using the inter-object-correlation values for a plurality of pairs of related objects and the rendering information.

WO 2011/039195 A1



Published:

— *with international search report (Art. 21(3))*